

FIG. 1

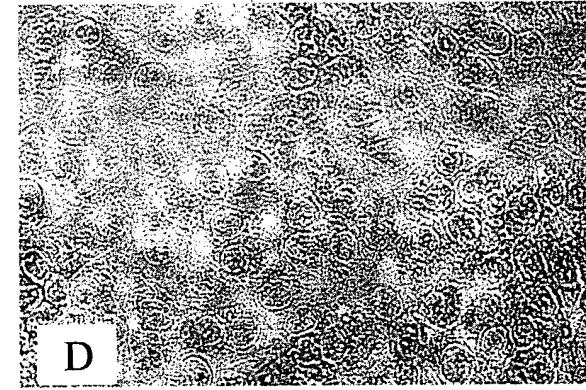
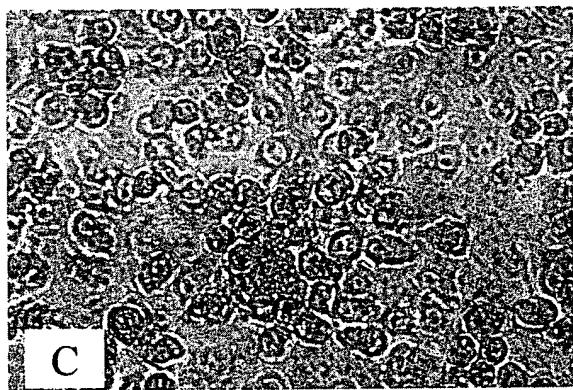
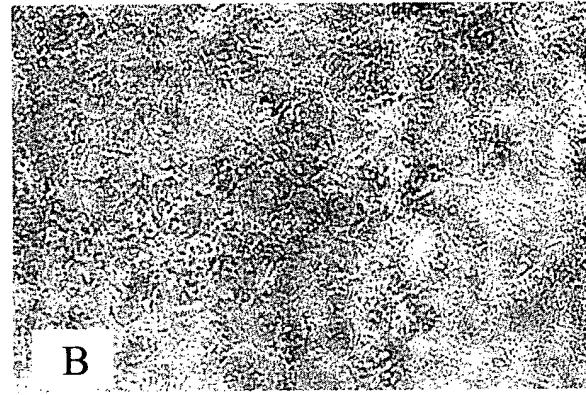
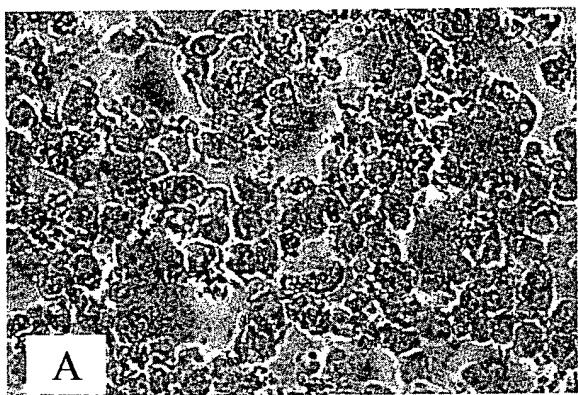


FIG. 2

1 ccgagcgtgc ccgcggcgct gcccctcctc ggggagctgc cccggctgct gctgctggtg
 61 ctgttgcgtcc tgccggccgt gtgggggtgac tggggccttc ccccagatgt acctaattcc
 121 cagccagctt tggaaggccg tacaagttt cccgaggata ctgtataaact gtacaaatgt
 181 gaagaaaagct ttgtgaaaat tcctggcgag aaggactcag tgacctgcct taagggcatg
 241 caatggtcag atattgaaga gttctgcaat cgtagctgcg aggtgccaac aaggctaaat
 301 tctgcattccc tcaaaccagcc ttatatact cagaattatt ttccagtcgg tactgttgc
 361 gaatatgagt gccgtccagg ttacagaaga gaaccttctc tatcaccaaa actaacttgc
 421 cttcagaatt taaaatggtc cacagcagtc gaattttgtt aaaaagaaaatc atgccttaat
 481 ccgggagaaaa tacgaaatgg tcagattgtt gtaccagggtt gcatattttt tggtgcaacc
 541 atctccttct catgtacac agggtacaaa ttatttgct cgtacttcttag tttttgttctt
 601 atttcaggca gctctgtcca gtggagtgc ccgttgcag agtgcagaga aatttattgtt
 661 ccagcaccac cacaattga caatgaaata attcaagggg aacgtgacca ttatggatatt
 721 agacagtctg taacgtatgc atgtataaaa ggattcacca tgattggaga gcactctatt
 781 tattgtactg tgaataatga tgaaggagag tggagtggcc caccacctga atgcagagga
 841 aaatctctaa cttccaaggt cccaccaaca gttcagaaac ctaccacagt aaatgttcca
 901 actacagaag tctcaccac ttctcagaaa accaccacaa aaaccaccac accaaatgtt
 961 caagcaacac ggagtacacc tgtttccagg acaaccaagc atttcatga aacaacccca
 1021 aataaaggaa gtgaaaccac ttcaggtact acccgttcc tatctggca cacgttttc
 1081 acgttgacag gtttgcgttgg gacgcttaga accatgggt tgctgactta gccaagaag
 1141 agttaagaag aaaatacaca caagtataca gactgttccct agtttcttag acttatctgc
 1201 atattggata aaataaatgc aattgtgctc ttcatatttagg atgctttcat tgccttaag
 1261 atgtgtttagg aatgtcaaca gagcaaggag aaaaaaggca gtcctggaat cacattctt
 1321 gcacacctgc gcctctgaa aatagaacaa cttgcagaat tgagagtgtat tccttcata
 1381 aaagtgtaaag aaagcataga gatttgcgttgg tattaagaat ggatcacga ggaaaagaga
 1441 aggaaaatgtt gtttttccca caagatctga aatgatattt ccacttataaa aggaaataaaa
 1501 aaatgaaaaa cattattttgg atatcaaaaag caaataaaaa cccaattcag tctttctaa
 1561 gcaaaatgtc taaagagaga tgaccacatt ataaagtaat cttggctaa ggcattttca
 1621 tctttccctc gggtggcaaa atattttaaa ggtaaaacat gctggtaac cagggttttg
 1681 atgggtataa gggaggaata tagaatggaa gactgaatct tcctttgttgc cacaataga
 1741 gtttggaaaa agcctgtgaa aggtgttcc tttgacttaa tgcctttaaa agtacccaga
 1801 gatactacaa tattaacata agaaaaagatt atatattttt tctgaatcga gatgtccata
 1861 gtcaaatttg taaatcttat tctttgttaa tattttattta tattttattta tgacagtggaa
 1921 cattctgatt ttacatgtaa aacaagaaaa gttgaagaag atatgtgaag aaaaatgtt
 1981 ttttcctaaa tagaaataaa tgatcccatt ttttgggt

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DIEEFCNRSCEVPTRLNSA
SLKQPYITQNYFPVGTVEYECPGYRREPSLSPKLTC
LQNLKWSTAVEFCKKKSCPN
PGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCL
ISGSSVQWSDPLPECREI
YCPAPPQIDNGIIQGERDHGYRQSVTYACNKGFTMIGEHSI
YCTVNNDEGEWSGPPP
ECRGKSLTSKVPPTVQKPTTVNVPTEVSPTSQKTTK
TTTPNAQATRSTPVSRTKH
FHETPNKGSGTTSGTTRLLSGHTCFTLTGLLGTLVTMGLLT

FIG. 3B

A

1 ccgctggcg tagctgcgac tcggccgagt cccggccgac cgtccttgtt ctaaccggc
 61 ggcgcacatgac cgtcgcgcgg ccgagcgtgc ccgcggcgct gcccctcctc ggggagctgc
 121 cccggctgtc gctgctgggt ctgttgtgcc tgccggccgt gtgggggtgac tgtggccttc
 181 ccccaatgtt acctaattgcc cagccagctt tggaaaggccg tacaagttt cccgaggata
 241 ctgttaataac gtacaaatgtt gaagaaagct ttgtgaaaat tcctggcgag aaggactcag
 301 tgatctgcct taagggcagt caatggtcag atattgaaga gttctgcaat cgtagctgcg
 361 aggtgccaac aaggctaaat tctgcattccc tcaaaccagcc ttatatcact cagaattatt
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 541 aaaagaaaatc atgccttaat ccgggagaaa tacgaaatgg tcagattgtat gtaccagggt
 601 gcatattatt tgggtcaacc atctccttct catgtAACAC aggtacaaa ttattttggct
 661 cgacttcttag tttttgtctt atttcaggca gctctgtcca gtggagtgac ccgttgccag
 721 agtgcagaga aatttattgtt ccagcaccac cacaaattga caatggaaata attcaagggg
 781 aacgtgacca ttatggatatt agacagtctg taacgtatgc atgtataaa ggatttcacca
 841 tgattggaga gcactctatt tattgtactg tgaataatga tgaaggagag tggagtggcc
 901 caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac
 961 ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa
 1021 aaaccaccac accaaatgct caagcaacac ggagtacacc tggggccagg acaaccaagc
 1081 attttcatga aacaacccca aataaaggaa gtggaaaccac ttccaggact acccgcttcc
 1141 tatctggttc tcgtcctgtc acccaggctg gtatgcgggt gtgtgatcgt agctcactgc
 1201 agtctcgaac tcctgggttc aagcgatcct tccacttcag cctcccaagt agctggtaact
 1261 acagggcaca cgtgtttcac gttgacaggt ttgcttggga cgctagtaac catgggcttgc
 1321 ctgacttagc caaagaagag ttaagaagaa aatacacacca agtatacaga ctgttccatg
 1381 tttcttagac ttatctgcat attggataaa ataaatgcaa ttgtgcttt catttaggat
 1441 gctttcatttgc tcttaagat gtgttaggaa tgtcaacaga gcaaggagaa aaaaggcagt
 1501 cctggaatca cattcttagc acacccacac ctcttggaaa tagaacaact tgcagaatttgc
 1561 agagtgattt ctttcttcaa agtgttggaa agcatagaga ttgttgcgtt tttggatgg
 1621 gatcagcgggaaaagagaag gaaagtgtt ttttccaca agatctgtaa tggttatttcc
 1681 acttataaaag gaaataaaaaa atgaaaaaaca ttatggat atcaaaaagca aataaaaaacc
 1741 caattcagtc tcttcttcaa agtgttggaa aagagagatg aaccacatataaagatc
 1801 tttggctgtt aggcattttc atcttcctt cgggttggca aaatatttta aaggttttt
 1861 atgctgggtga accaggggtt ttgatgggtga taagggagga atatagaatg aaagactgaa
 1921 tcttccttgc ttgcacaaat agatggaa aaaagctgt gaaaggtgtc ttcttgcact
 1981 taatgtcttt aaaagtatcc agagatacta caatattaac ataagaaaag attatattt
 2041 atttctgaat cgagatgtcc atagtcattt ttgttaatct tatttttttgc taatatttt
 2101 ttatattttat ttatgacagt gaacatttcg attttacatg taaaacaaga aaagttgaag
 2161 aagatgttgc aagaaaaatg ttttttccatgaaat aatgatccc attttttgggt

B

MTVARPSVPAALPLLGELPRLLLLVLLCLPAVGDCGLPPDVPN
 AQPALLEGRTSFPEDTVITYKCEESFVKIPGEKDSVICLKGSQWSIDIEFCNRSEVPT
 RLNSASLKQPYITQNYFPVGTVEYECPGYRREPSLSPKLCLQNLKWSTAVEFCKK
 KSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLP
 ECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEW
 SGPPPECRGKSLTSKVPPVQKPTTVNPVPTTEVSPTSQKTTKTTTPNAQATRSTPVS
 RTTKHFETTPNKGSGTTSGTTRLLSGHTCFTLTGLLGTLVTMGLLT

FIG. 4